

Power Cost Memorandum Fuel Cost Update

Date: March 17, 2022

Utility Name (Cert. No.) Arctic Village Electric (747)	Utility File No. PC65-0121C	Date Filed: February 25, 2022
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PCE AMOUNT SUMMARY	Previously Approved PC65-0121B	Staff Recommended Amount(s) and Effective Date PC65-0121C
Class Rate	<u>Date Approved:</u> February 18, 2022	March 18, 2022
Residential	\$0.6846	\$0.7362
Community Facilities	\$0.6846	\$0.7362
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: \$ 6.3319	New Fuel Purchase Price: \$ 6.9320
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: <u>n/a</u>	Surcharge Change: Previous <u>n/a</u> Updated <u>n/a</u>

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-Hand before Deliv,	500	X	6.3319	=	\$3,166
Delivered	7,720	X	6.9709	=	53,816
	<u>8,220</u>				<u>\$56,982</u>
					Weighted Average \$ 6.9320

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 3/17/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
Kurber		<u>KKT</u>		
Scott		<u>AGS</u>		
Sullivan		<u>DS</u>		
Wilson		<u>JW</u>		

Special Instructions to Staff:

* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Arctic Village Electric

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING September 30, 2020
Fuel Cost Update

	PC65-0121B	PC65-0121C	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	638,335	638,335	638,335
B. Total kWh Sold (Appendix 2)	534,678	534,678	534,678
C. Total Non-Fuel Costs (Appendix 2)	186,081	186,081	186,081
D. Non-Fuel Cost/kWh (C / B)	\$0.3480	\$0.3480	\$0.3480
E. Total Fuel Costs (Appendix 2)	306,386	335,427	335,427
F. Fuel Costs/kWh (E / B)	\$0.5730	\$0.6273	\$0.6273
G. Eligible Costs/kWh (D + F)	\$0.9210	\$0.9753	\$0.9753
H. Eligible Cost/kWh (G) less base rate in effect	\$0.7207	\$0.7750	\$0.7750
I. Lesser of (H) or 79.97 cents/kWh	\$0.7207	\$0.7750	\$0.7750
J. Average Class Rates (Appendix 3)			
Residential	\$0.7997	\$0.7997	\$0.7997
Community Facilities	\$0.7997	\$0.7997	\$0.7997
Class Power Cost Equalization Per kwh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	\$0.6846	\$0.7362	\$0.7362
Community Facilities	\$0.6846	\$0.7362	\$0.7362
L. Funding Level in Effect	100%	100%	100%
Residential	\$0.6846	\$0.7362	\$0.7362
Community Facilities	\$0.6846	\$0.7362	\$0.7362

PC65-0121C
Appendix 1

Arctic Village Electric

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING September 30, 2020
Fuel Cost Update

			PC65-0121B	PC65-0121C	
			Prior Commission Approval	Per Utility	Staff Recommended
Non-Fuel Costs:					
A.	Personnel Costs		102,342	102,342	102,342
B.	Operating Expenses		6,895	6,895	6,895
C.	General & Administrative		56,939	56,939	56,939
D.	Depreciation & Amortization		9,751	9,751	9,751
E.	Interest Expense		10,154	10,154	10,154
F.	Other (Describe)		0	0	0
G.	Total Non-Fuel Costs		\$186,081	\$186,081	\$186,081
Fuel Costs:					
H.	Gallons Consumed for Electric Generation		48,388	48,388	48,388
I.	Price of Fuel:(per gallon) Weighted Average		\$6.3319	\$6.9320	\$6.9320
J.	Total Fuel Costs (I x H)		\$306,386	\$335,427	\$335,427
K.	kWh Generated		638,335	638,335	638,335
L.	kWh Sales		534,678	534,678	534,678
M.	kWh Station Service		27,025	27,025	27,025
N.	Efficiency	\geq	13.19	13.19	13.19
(kWh generated /gallons consumed)					
O.	Line Loss	\leq	12.00%	12.00%	12.00%
(kWh Generated -(kWh Sold + Station Service))/ kWh Generated					

PC65-0121C
Appendix 2

Arctic Village Electric

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500	1.0000	0.0000	1.0000	500.00	1.0000	0.7997
500				500.00	1.0000	0.7997
TOTAL (A)						(E)

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500		0.0000	0.0000	0.00	0.0000	
500				0.00	0.0000	
TOTAL (A)						(E)

Computation of Community Facilities Average Rate

Rate Schedule: Community Facilities

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
0 to ∞	1.0000	0.0000	1.0000	0.7997
Next to				
Next to				
Next to				
Next to				

Arctic Village Electric

Fuel Purchases

	Delivery Date	Gallons	Cost per Gallon	Delivery/ Mark-Up	Total Cost
Beginning Fuel Inventory		500			
Last Approved Fuel Cost/Gal.			\$ 6.3319		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --					\$ 3,166
Reporting Period Purchases	02/02/22	4,360.0	6.9796		30,431
	02/10/22	3,360.1	6.9596		23,385
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		7,720			53,816
Delivered Weighted Average			\$6.9709		
Grand Totals (beginning inventory plus purchases) A		8,220		B \$	56,982

Grand Total Cost (B) divided by Grand Total Gallons (A) = 6.9320 Weighted Avg. Cost per gal

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